

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Downing
Serial No.: Unknown
Filed: Herewith
Title: **Cooling Device for Diode Pumped Laser**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Multiple references are listed on an attached PTO-1449 Form.

Applicant believes that no additional fees are necessary, however, the Commissioner is authorized to charge Deposit Account No. 50-1482 in the name of Carlson, Gaskey & Olds for any additional fees or credit the account for any overpayment.

Respectfully submitted,


Kerrie A. Laba, Reg. No. 42,777
Carlson, Gaskey & Olds
400 W. Maple Road, Ste. 350
Birmingham, MI 48009
(248) 988-8360

Dated: November 13, 2003

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	
		Filing Date	Herewith
		First Named Inventor	Downing
		Art Unit	
		Examiner Name	
Sheet 1	of 2	Attorney Docket Number	67,036-036; B05813-AT1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 4,494,171	1/15/1985	Bland	
		US- 4,729,060	3/1/1988	Yamamoto	
		US- 4,910,642	3/20/1990	Downing	
		US- 4,962,444	10/9/1990	Niggemann	
		US- 5,029,335	7/2/1991	Fisher	
		US- 5,088,005	2/11/1992	Ciaccio	
		US- 5,471,491	11/28/1995	Phillips	
		US- 5,727,618	3/17/1998	Mundinger	
		US- 6,152,215	11/28/2000	Niggemann	
		US- 6,173,760	1/16/2001	Gardell	
		US- 6,414,847	7/2/2002	Hutchison	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials ²	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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PTO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	
		Filing Date	Herewith
		First Named Inventor	Downing
		Group Art Unit	
		Examiner Name	
Sheet 2	of 2	Attorney Docket Number	67,036-036; B05813-AT1

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Society of Automotive Engineers, Inc.; SAE Technical Paper Series, July, 1983: "A Compact High Intensity Cooler (CHIC)"	
		Society of Automotive Engineers, Inc.; SAE Technical Paper Series, October, 1990: "The Development of Advanced Cooling Methods for High-Power Electronics"	
		Society of Automotive Engineers, Inc.; SAE Technical Paper Series, April, 1994: "A High Flux Heat Exchanger for Military Avionics, Part I: Design and Fabrication"	
		Society of Automotive Engineers, Inc.; SAE Technical Paper Series, April, 1994: "A High Flux Heat Exchanger for Military Avionics, Part II: Test Results"	

Examiner Signature		Date Considered	
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